Common Core Georgia Performance Standards

High School Mathematics

**Accelerated CCGPS Analytic Geometry B / Advanced Algebra - At a Glance**

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| Common Core Georgia Performance Standards: Curriculum Map | | | | | | | | | |
| 1st Semester | | | | | 2nd Semester | | | | |
|  |  |  |  |  |  |  |  |  |  |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 |
| **Extending the Number System** | **Quadratic Functions** | **Modeling Geometry** | **Applications of Probability** | **Inferences and Conclusions from Data** | **Polynomial**  **Functions** | **Rational and Radical Relationships** | **Exponential and Logarithms** | **Trigonometric Functions** | **Mathematical Modeling** |
| **MCC9-12.N.RN.1**  **MCC9-12.N.RN.2**  **MCC9-12.N.RN.3**  **MCC9-12.N.CN.1**  **MCC9-12.N.CN.2**  **MCC9-12.N.CN.3(+)**  **MCC9-12.A.APR.1** | **MCC9-12.N.CN.7**  **MCC9-12.A.SSE.1a,b**  **MCC9-12.A.SSE.2**  **MCC9-12.A.SSE.3a,b**  **MCC9-12.A.CED.1**  **MCC9-12.A.CED.2**  **MCC9-12.A.CED.4**  **MCC9-12.A.REI.4a,b**  **MCC9-12.A.REI.7**  **MCC9-12.F.IF.4**  **MCC9-12.F.IF.5**  **MCC9-12.F.IF.6**  **MCC9-12.F.IF.7a**  **MCC9-12.F.IF.8a**  **MCC9-12.F.IF.9**  **MCC9-12.F.BF.1a,b**  **MCC9-12.F.BF.3**  **MCC9-12.F.LE.3**  **MCC9-12.S.ID.6a** | **MCC9-12.A.REI.7**  **MCC9-12.G.GPE.1**  **MCC9-12.G.GPE.2**  **MCC9-12.G.GPE.4** | **MCC9-12.S.CP.1**  **MCC9-12.S.CP.2**  **MCC9-12.S.CP.3**  **MCC9-12.S.CP.4**  **MCC9-12.S.CP.5**  **MCC9-12.S.CP.6**  **MCC9-12.S.CP.7** | **MCC9-12.S.ID.2**  **MCC9-12.S.ID.4**  **MCC9-12.S.IC.1**  **MCC9-12.S.IC.2**  **MCC9-12.S.IC.3**  **MCC9-12.S.IC.4**  **MCC9-12.S.IC.5**  **MCC9-12.S.IC.6** | **MCC9-12.N.CN.8(+)**  **MCC9-12.N.CN.9(+)**  **MCC9-12.A.SSE.1**  **MCC9-12.A.SSE.2**  **MCC9-12.A.SSE.4**  **MCC9-12.A.APR.1**  **MCC9-12.A.APR.2**  **MCC9-12.A.APR.3**  **MCC9-12.A.APR.4**  **MCC9-12.A.APR.5(+)**  **MCC9-12.A.REI.7**  **MCC9-12.A.REI.11**  **MCC9-12.F.IF.7c** | **MCC9-12.A.APR.6**  **MCC9-12.A.APR.7(+)**  **MCC9-12.A.CED.1**  **MCC9-12.A.CED.2**  **MCC9-12.A.REI.2**  **MCC9-12.A.REI.11**  **MCC9-12.F.IF.4**  **MCC9-12.F.IF.5**  **MCC9-12.F.IF.7b,d(+)**  **MCC9-12.F.IF.9** | **MCC9-12.A.SSE.3c**  **MCC9-12.F.IF.7e**  **MCC9-12.F.IF.8b**  **MCC9-12.F.BF.5(+)**  **MCC9-12.F.LE.4** | **MCC9-12.F.IF.7e**  **MCC9-12.F.TF.1**  **MCC9-12.F.TF.2**  **MCC9-12.F.TF.5**  **MCC9-12.F.TF.8** | **MCC9-12.A.CED.1**  **MCC9-12.A.CED.2**  **MCC9-12.A.CED.3**  **MCC9-12.A.CED.4**  **MCC9-12.F.IF.4**  **MCC9-12.F.IF.5**  **MCC9-12.F.IF.6**  **MCC9-12.F.IF.7**  **MCC9-12.F.IF.8**  **MCC9-12.F.IF.9**  **MCC9-12.F.BF.1a,b,c(+)**  **MCC9-12.F.BF.3**  **MCC9-12.F.BF.4a,b(+),c(+)**  **MCC9-12.G.GMD.4**  **MCC9-12.G.MG.1**  **MCC9-12.G.MG.2**  **MCC9-12.G.MG.3** |
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| These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units.  All units will include the Mathematical Practices and indicate skills to maintain. | | | | | | | | | |

**NOTE:** Mathematical standards are interwoven and should be addressed throughout the year in as many different units and tasks as possible in order to stress the natural connections that exist among mathematical topics.

**Grade 9-12 Key:**

**Number and Quantity Strand:** RN = The Real Number System, Q = Quantities, CN = Complex Number System, VM = Vector and Matrix Quantities

**Algebra Strand**: SSE = Seeing Structure in Expressions, APR = Arithmetic with Polynomial and Rational Expressions, CED = Creating Equations, REI = Reasoning with Equations and Inequalities

**Functions Strand**: IF = Interpreting Functions, LE = Linear and Exponential Models, BF = Building Functions, TF = Trigonometric Functions

**Geometry Strand:** CO = Congruence, SRT = Similarity, Right Triangles, and Trigonometry, C = Circles, GPE = Expressing Geometric Properties with Equations, GMD = Geometric Measurement and Dimension,

MG = Modeling with Geometry

**Statistics and Probability Strand:** ID = Interpreting Categorical and Quantitative Data, IC = Making Inferences and Justifying Conclusions, CP = Conditional Probability and the Rules of Probability, MD = Using Probability to Make Decisions

Specific modeling standards appear throughout the high school standards indicated by a star symbol (★).